

ABSTRACT OF THE DISCLOSURE

The system disclosed herein is primarily utilized in the 23-48 volt DC telco, data center and industrial production industry. It will effectively replace today's requirement of purchasing, installing, maintaining and replacing chemical storage batteries. The solution will be capable of deployment partially and in full, inside the building, outside of the building in environmentally enclosed containers or in a mobile version. Additionally, the distribution voltage application will allow for reduction in the size of the power distribution wiring as well as creating an environment that requires less cooling of the critical equipment. This effectively leads to less infrastructure space and equipment, i.e. UPS, air conditioning units, static switch units, generators and chillers, for the same amount of processing, and significantly increases overall system reliability. The system regulates AC power and produces DC power that is considered uninterruptible and that is high quality in nature.